DOCUMENTATION OF ENVIRONMENTAL INDICATOR DETERMINATION

Interim Final 2/5/99

RCRA Corrective Action Environmental Indicator (EI) RCRIS code (CA725)

Current Human Exposure Under Control

Facility Name:	Hand Craft Cleaners (formerly)
Facility Address:	11401 Midlothian Turnpike, Midlothian, Virginia
Facility EPA ID #:	VAD 988169819

1. Ha	s all available relevant/significant information on known and reasonably suspected releases to soil,
	water, surface water/sediments, and air, subject to RCRA Corrective Action (e.g., from Solid Waste
	ement Units (SWMU), Regulated Units (RU), and Areas of Concern (AOC)), been considered in this El
determ	ination?
<u>X</u>	If yes - check here and continue with #2 below.
	If no - re-evaluate existing data, or
(If data are not available skip to #6 and enter "IN" (more information needed) status code.

BACKGROUND

<u>Definition of Environmental Indicators (for the RCRA Corrective Action)</u>

Environmental Indicators (EI) are measures being used by the RCRA Corrective Action program to go beyond programmatic activity measures (e.g., reports received and approved, etc.) to track changes in the quality of the environment. The two EI developed to-date indicate the quality of the environment in relation to current human exposures to contamination and the migration of contaminated groundwater. An EI for non-human (ecological) receptors is intended to be developed in the future.

Definition of "Current Human Exposures Under Control" EI

A positive "Current Human Exposures Under Control" EI determination ("YE" status code) indicates that there are no "unacceptable" human exposures to "contamination" (i.e., contaminants in concentrations in excess of appropriate risk-based levels) that can be reasonably expected under current land- and groundwater-use conditions (for all "contamination" subject to RCRA corrective action at or from the identified facility (i.e., site-wide)).

Relationship of EI to Final Remedies

While Final remedies remain the long-term objective of the RCRA Corrective Action program the EI are near term objectives which are currently being used as Program measures for the Government Performance and Results Act of 1993, GPRA). The "Current Human Exposures Under Control" EI are for reasonably expected human exposures under current land- and groundwater-use conditions ONLY, and do not consider potential future land- or groundwater-use conditions or ecological receptors. The RCRA Corrective Action program's overall mission to protect human health and the environment requires that Final remedies address these issues (i.e., potential future human exposure scenarios, future land and groundwater uses, and ecological receptors).

Duration / Applicability of EI Determinations

EI Determinations status codes should remain in RCRIS national database ONLY as long as they remain true (i.e., RCRIS status codes must be changed when the regulatory authorities become aware of contrary information).

2. Are groundwater, soil, surface water, sediments, or air **media** known or reasonably suspected to be "contaminated" above appropriately protective risk-based "levels" (applicable promulgated standards, as well as other appropriate standards, guidelines, guidance, or criteria) from releases subject to RCRA Corrective Action (from SWMUs, RUs or AOCs)?

Groundwater	Yes _X_	No —	?	Rationale / Key Contaminants <u>PCE, TCE, cis-1,2-DCE, Vinyl Chloride, 1,1,1-TCA, 1,1,2-</u> TCA, and 1,2-dichlorobenzene
Air (indoors) b Surface Soil (e.g., <2 ft) Surface Water Sediment Subsurf. Soil (e.g., >2 ft) Air (outdoors)		X X X X X		TCA, and 1,2-dicinoroccizence
If no (for all med and referencing sufficient	dia) - skip supporti	to #6, a	and enter " mentation	YE," status code after providing or citing appropriate "levels," demonstrating that these "levels" are not exceeded.
X If yes (for any mappropriate "levels" (or prisk), and referencing sup	rovide an	explana	tion for th	fying key contaminants in each "contaminated" medium, citing are determination that the medium could pose an unacceptable
If unknown (for	any medi	ia) - skip	to #6 and	enter "IN" status code.

Rationale:

Site Description and Activities

The Hand Craft Cleaners property is located at 11401 Midlothian Turnpike in Chesterfield, Virginia (see attached site plan). The facility was operated as a dry cleaning and healthcare business using solvent tetrachloroethene (PCE) for nearly 32 years. In 1996 the property was closed. Both soil and groundwater (GW) were contaminated by PCE and its daughter products (TCE, cis-1,2-DCE, and Vinyl Chloride). Other contaminants included 1,2-dichlorobenzene, methylene chloride, 1,1,1-trichloroethane and 1,1,2-trichloroethane.

Closure activities were initiated with DEQ. A "Groundwater Monitoring Plan" was prepared October 1999 and revised November 2000, February 2001, and March 2001. Remediation of groundwater was initiated at the time of the closure activities for soil and is still ongoing at the facility. Groundwater samples have been collected quarterly at one background and three compliance wells since September 2001 and analyzed for the initial constituent of concern (tetrachloroethene) and its potential degradation products ("contaminants"). The resulting data are provided in the attached four (4) tables for PCE, TCE, cis-1,2-DCE, and Vinyl Chloride (VC) (unit: µg/l), respectively. PCE, TCE, cis-1,2-DCE and VC have had exceedances of their corresponding MCLs in one or more wells during the monitoring period. However, none of the contaminants currently exceed the MCLs. Methylene chloride, 1,1,1-

Footnotes:

^a "Contamination" and "contaminated" describes media containing contaminants (in any form, NAPL and/or dissolved, vapors, or solids, that are subject to RCRA) in concentrations in excess of appropriately protective risk-based "levels" (for the media, that identify risks within the acceptable risk range).

Recent evidence (from the Colorado Dept. of Public Health and Environment, and others) suggest that unacceptable indoor air concentrations are more common in structures above groundwater with volatile contaminants than previously believed. This is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration necessary to be reasonably certain that indoor air (in structures located above (and adjacent to) groundwater with volatile contaminants) does not present unacceptable risks.

trichloroethane and 1,1,2-trichloroethane were also monitored and had been detected in one or more wells groundwater in the past, but these constituents never exceeded their respective MCLs.

In 2002, the facility completed a RCRA Facility Assessment and excavated over 325 cubic yards of contaminated soil. On June 14, 2002, EPA issued a Facility Lead Agreement to Hand Craft for the investigation and remediation. On July 31, 2002 EPA and DEQ cosigned a "comfort letter" to Hand Craft assuring them that remediation of the soils had been completed. On January 6, 2003 clean closure (long-term residential exposure) for soil was approved by the Department.

Initial in-situ groundwater treatment was performed during closure activities at the site in 2001. As approved by DEQ, the facility injected permanganate solution into the saturated zone in order to oxidize any contaminants of concern that may reside within the saturated zone. Six injectors were constructed downgradient of the excavation trench (between the trench and three groundwater monitoring wells); three injectors were constructed immediately upgradient of the excavation trench (one outside the former building, two within the building before it was demolished.

Concentrations of constituents of concern remained below MCLs until rebound occurred in early 2003. In April 2004, a Pilot Study: GW Remediation - Proposed Work Plan was approved by the Department and sodium permanganate (NaMnO₄) was injected at several locations into the uppermost aquifer to oxidize PCE and its daughter products (chlorinated ethenes) to CO₂, H₂O and Cl (Chloride). Concentrations of PCE and its daughter products quickly decreased to below their respective MCLs. However, within two years the concentrations of the PCE and its daughter products rebounded again.

In August 2006, another injection of permanganate solution occurred at 52 locations at the facility. Contaminant concentrations have stayed below MCLs since that time.

Groundwater monitoring will continue at the facility under a recently (Nov 08) updated "Groundwater Monitoring Plan" for the next few years.

Based on risk evaluations at the time of soil closure as discussed in the closure report, no significant carcinogenic risk is attributed to inhalation of tetrachloroethene vapors derived from on-site soils.

References:

- General Theory, Principle and Application of Sodium Permanganate Oxidative Reactions (EPA, DOE, ITRC and etc.)
- Draper Aden Associates. January, 2008. 11401 Midlothian Turnpike. Midlothian, Virginia. Groundwater Monitoring Program. Sampling Event 21: 12-27-07. Results of Sampling and Analysis. DAA Project No. 22153.30. EPA ID 988 169 819.
- Groundwater Monitoring Plan for formerly Hand Craft Cleaners @ 11401 Midlothian Turnpike, Midlothian, Virginia

Soil Clean Closure Report, July 31, 2002

3. Are there **complete pathways** between "contamination" and human receptors such that exposures can be reasonably expected under the current (land- and groundwater-use) conditions?

Summary Exposure Pathway Evaluation Table

	P	otential Huma	n Receptors (L	Inder Current Cor	nditions)		
Contaminated Media Groundwater	Residents No	Workers No	Day-Care No	Construction No	Trespassers No	Recreation No	Food ^c
Air (indoors)							-
Soil (surface, e.g., <2 ft)							
Surface Water			(
Sediment							
Soil (subsurface e.g., >2 ft)							
Air (outdoors)							

Instructions for Summary Exposure Pathway Evaluation Table:

- 1. Strike-out specific Media including Human Receptors' spaces for Media which are not "contaminated") as identified in #2 above.
- 2. Enter "yes" or "no" for potential "completeness" under each "Contaminated" Media Human Receptor combination (Pathway).

Note: In order to focus the evaluation to the most probable combinations some potential "Contaminated" Media - Human Receptor combinations (Pathways) do not have check spaces ("____"). While these combinations may not be probable in most situations they may be possible in some settings and should be added as necessary.

X If no (pathways are not complete for any contaminated media-receptor combination) - skip to #6, and enter 'YE" status code, after explaining and/or referencing condition(s) in-place, whether natural or man-made, preventing a complete exposure pathway from each contaminated medium (e.g., use optional Pathway Evaluation Work Sheet to analyze major pathways).
If yes (pathways are complete for any "Contaminated" Media - Human Receptor combination) – continue after providing supporting explanation.
If unknown (for any "Contaminated" Media - Human Receptor combination) - skip to #6 and enter "IN" status code

Rationale:

The groundwater monitoring system consists of one (1) background well (PZ-101), which is not an upgradient well relative to the SWMU (trench), and three (3) downgradient wells, MW-2, MW-3 and MW-4. Historically, the concentrations of the constituents of concern (COC) in the plume area have been decreasing over time, although there have been some rebounds. At present, the COCs in groundwater in the monitoring locations have stayed below MCLs. The plume is believed to have stabilized and to be decreasing. Also, there is no surface water body in the region where the facility is located. Thus, it is not expected for contaminated groundwater to discharge into any nearby surface water body. Additionally, the area is serviced by public water and sewer and there are no known drinking water wells in the area. The site and adjoining properties are covered by parking lots and buildings, and groundwater is 10 to 12 ft feet below surface.

The personnel involved with groundwater monitoring and remediation at the facility receive training in the following areas:

- Area specific management practices regarding post-closure care activities,
- X Security and safety,
- X General and area specific inspections and record keeping,
- Regulatory updates which affect operations and activities, and
- X Job function and procedural descriptions of each employee's respective role in post-closure care.

c Indirect Pathway/Receptor (e.g., vegetables, fruits, crops, meat and dairy products, fish, shellfish, etc.)

Currently, all personal received 40-hour training in accordance with CFR 1910.120, and continue to receive 8-hour annual refresher classes, and medical monitoring (as warranted).

Therefore, human health exposure to contaminated groundwater is not a complete exposure pathway under current conditions.

Residents: Chesterfield provides water and sewer service to the Midlothian area. There are no known drinking water wells in the vicinity of the facility or within the facility boundary. The Hand Craft facility lies in a commercial area and the site and adjoining properties are covered by parking lots and buildings.

<u>Workers and Construction Workers:</u> Workers and contractors at the sites are protected from groundwater exposures as static water levels vary from 10 to 12 feet below the ground surface. Groundwater is not used on site, and workers' regular duties do not involve contact with ground water. Construction workers are covered under OSHA and are trained in using PPEs. There presently are no construction activities on-going or planned at the facility.

<u>Trespassers:</u> The Pier One store covers the original facility's footprint, and the groundwater monitoring wells are in the back of the building. Any trespassers to the back of the building are protected from groundwater exposures as static water levels vary from 10 to 12 feet below the ground surface. Each well has an expansion cap with padlock, and is located within a manhole having a lid with three bolts thus restricting access to trespassers.

<u>Day-Care, Recreation, and Food:</u> The Hand Craft Cleaners site is located in a commercial area and there are no known daycare services at the facility. The groundwater is not used for recreational purposes and is currently below

MCLs. Food is not grown on-site, and there are no known residential wells that are used by neighboring communities to grow food.

References:

Draper Aden Associates. January, 2008. 11401 Midlothian Turnpike. Midlothian, Virginia. Groundwater Monitoring Program. Sampling Event 21: 12-27-07. Results of Sampling and Analysis. DAA Project No. 22153.30. EPA ID 988 169 819.

Tables of Historical Concentrations for the Contaminants (PCE and its potential degradation products) of Major Concerns (Attached)

Soil Clean Closure Report, July 31, 2002

4. Can the exposures from any of the complete pathways identified in #3 be reasonably expected to be "significant" (i.e., potentially "unacceptable" because exposures can be reasonably expected to be: 1) greater in magnitude (intensity, frequency and/or duration) than assumed in the derivation of the acceptable "levels" (used to identify the "contamination"); or 2) the combination of exposure magnitude (perhaps even though low) and contaminant concentrations (which may be substantially above the acceptable "levels") could result in greater than acceptable risks)?
If no (exposures can not be reasonably expected to be significant (i.e., potentially "unacceptable") for any complete exposure pathway) - skip to #6 and enter "YE" status code after explaining and/or referencing documentation justifying why the exposures (from each of the complete pathways) to "contamination" (identified in #3) are not expected to be "significant."
If yes (exposures could be reasonably expected to be "significant" (i.e., potentially "unacceptable") for any complete exposure pathway) - continue after providing a description (of each potentially "unacceptable" exposure pathway) and explaining and/or referencing documentation justifying why the exposures (from each of the remaining complete pathways) to "contamination" (identified in #3) are not expected to be "significant."
If unknown (for any complete pathway) - skip to #6 and enter "IN" status code.
Rationals and Deference(s).

Rationale and Reference(s):

d If there is any question on whether the identified exposures are "significant" (i.e. potentially "unacceptable") consult a human health Risk Assessment specialist with appropriate education, training and experience.

5. Can the "significant" exposures (identified in #4) be shown to be within acceptable limits?
If yes (all "significant" exposures have been shown to be within acceptable limits) - continue and enter "YE" after summarizing and referencing documentation justifying why all "significant" exposures to "contamination" are within acceptable limits (e.g., a site-specific Human Health Risk Assessment).
If no (there are current exposures that can be reasonably expected to be "unacceptable")- continue and entering "NO" status code after providing a description of each potentially "unacceptable" exposure.
If unknown (for any potentially "unacceptable" exposure) - continue and enter "IN" status code.

Rationale and Reference(s):

⁴ Note, because areas of inflowing groundwater can be critical habitats (e.g., nurseries or thermal refugia) for many species, appropriate specialist (e.g., ecologist) should be included in management decisions that could eliminate these areas by significantly altering or reversing groundwater flow pathways near surface water bodies.

⁵ The understanding of the impacts of contaminated groundwater discharges into surface water bodies is a rapidly developing field and reviewers are encouraged to look to the latest guidance for the appropriate methods and scale of demonstration to be reasonably certain that discharges are not causing currently unacceptable impacts to the surface waters, sediments or eco-systems.

6. Check the appropriate RCRIS status codes for the Current Human Exposures Under Control EI event code 125 (CA725), and obtain Supervisor (or appropriate Manager) signature and date on the EI determination below (and attach appropriate supporting documentation as well as a map of the facility):

X YE - Yes, "Current Human Exposures Under Control" has been verified. Based on a review of the information contained in this EI Determination, "Current Human Exposures" are expected to be "Under Control" at the former Hand Craft Cleaners facility, EPA ID # AD988169819, located at 11401 Midlothian Turnpike, Midlothian, Virginia under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

NO - "C	Current 1	Human	Exposures"	are	NOT	"Under	Control."

IN - More information is needed to make a determination.

Completed by	(signature)		Date	06/30/2009
1	(print)	Fuxing Zhou	15.	
which show	(title)	Environmental Specialist II	7	73/84
				201
Supervisor	(signature)	Mslie Romanchie	Date	7/30/09
	(print)	Leslie Romanchik		
	(title)	Director, Office of Hazardous Waste		
		n or State)		

Locations where References may be found:

Department of Environmental Quality Division of Hazardous Waste Permitting, Groundwater 629 East Main Street Richmond, VA 23219

Contact telephone and e-mail numbers:

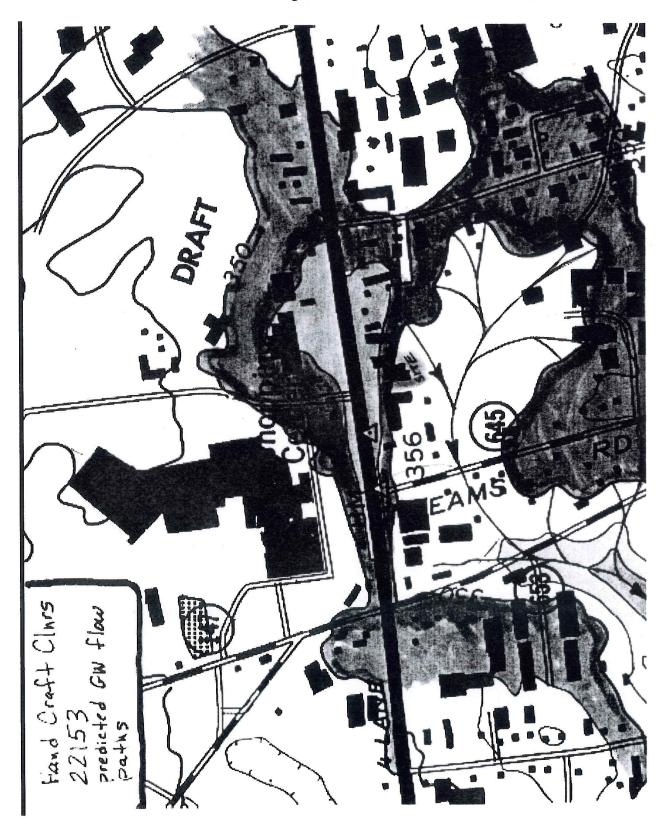
(name)	Fuxing Zhou
(phone #)	(804) 698-4126
(e-mail)	fzhou@deq.virginia.gov

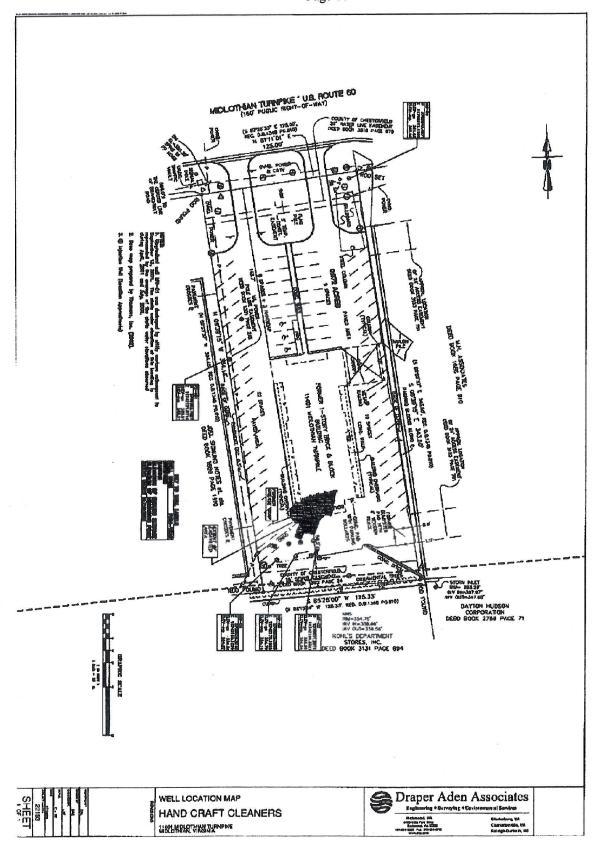
Attachment 1: Site Maps

Attachment 2: Historical Data (Concentrations, Unit: µg/l) Tables

FINAL NOTE: THE HUMAN EXPOSURES EI IS A QUALITATIVE SCREENING OF EXPOSURES AND THE DETERMINATIONS WITHIN THIS DOCUMENT SHOULD NOT BE USED AS THE SOLE BASIS FOR RESTRICTING THE SCOPE OF MORE DETAILED (E.G., SITE-SPECIFIC) ASSESSMENTS OF RISK.

Current Human Exposure Under Control Environmental Indicator (EI) RCRIS code (CA725) Page 9





			CLIENT:	HAND CRAFT C	CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC	AUNDERERS, IN	ပ			
				FACILITY: 1140	FACILITY: 11401 MIDLOTHIAN TURNPIKE	URNPIKE				
			PROJ	ECT: GROUNDY	PROJECT: GROUNDWATER MONITORING PROGRAM	IING PROGRAM				
				HISTORY OF GR	HISTORY OF GROUNDWATER CHEMISTRY	HEMISTRY				
				ORGANI	ORGANIC CONSTITUENTS	ę				
CONSTITUENT	DATE	LABORATORY	MW-01	MW-02	MW-03	MW-04	PZ-101			comment
date of well construction =			3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	007	700	
1 2-dichlorobenzene	13-Sep-01	Analytics	<0.17	<0.17	<0.17	<0.17		0.17	-	
MCL = 600 pab	28-Feb-02	Analytics		<0.17	<0.17	<0.17	<0.17	0.17	20	
	14-Apr-02	Analytics		<0.17	<0.17	<0.17	<0.17	0.17	20	
excavation	18-Jul-02	Analytics		<0.17	<0.17	<0.17	<0.17	0.17	0	
	26-Mar-03	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	25-Jun-03	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	11-Oct-03	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
injection event	18-Jan-04	Air, Water, Sod		<0.2	1.2	<0.2	<0.2	0.2	0.5	
March, 2004	25-Apr-04	Air, Water, Soil		<0.2	<0.5	<0.2	<0.2	0.2	0.5	
	25-May-04	Air, Water, Soil						0.2	1.0	PCE only
	30-Jul-04	Air, Water, Soil		<0.2	1.7	<0.2	<0.2	0.2	0.5	
	31-Oct-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	28-Jan-05	Air, Water, Soil		<0.2	1.6	<0.2	<0.2	0.2	1.0	
	21-May-05	Air, Water, Soil		<0.2	<1.0	<0.2	<0.2	0.2	1.0	
	7-Aug-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	3-Dec-05	Air, Water, Soil		<0.2	1.7	<0.2	<0.2	0.2	0.5	
	19-Jan-06	Air, Water, Soil						0.2	1.0	PCE only
	31-Mar-06	Air, Water, Soil					<0.2	0.2	0.5	
injection event	31-Mar-06	Air, Water, Soil		<0.2	2.0	<0.2	<0.2	0.2	0.5	
August, 2006	4-Sep-06	Air, Water, Soil		<0.2	1.0	<0.2	<0.2	0.2	0.5	
	27-Jan-07	Air, Water, Soil		<0.2	0.8	<0.2	<0.2	0.2	0.5	
	28-May-07	Air, Water, Soil		<0.5	1.0	<0.2	<0.2	0.2	0.5	
	20-Sep-07	Air, Water, Soil		<0.2	2.2	<0.2	<0.2	0.2	0.5	
	27-Dec-07	Air, Water, Soil		<0.2	3.4	<0.5	<0.2	0.2	0.5	
	24-Apr-08	Air. Water, Soil		<0.2	1.6	<0.2	<0.2	0.2	0.5	
	31-Jul-08	Air, Water, Soil		<0.2	0.7	<0.5	<0.2	0.2	0.5	
	31-Oct-08	Air, Water, Soil		<0.2	0.7	<0.5	<0.5	0.5	0.5	
	29-Apr-09	Air, Water, Soil		<0.4	<1.0	<0.4	40.4	0.4	1.0	
					1.0					
average =					5.1					
standard deviation =					0.7					
coefficient of determination =	= uo				0.5					

Cubic Name Cub	,										
Note				CLIENT	HAND CRAFT (FACILITY: 1144	CLEANERS AND 01 MIDLOTHIAN WATER MONITO	LAUNDERERS, I TURNPIKE RING PROGRAM	NC NC			
Part Laboration Part											
DATE LABORATORY WINNERS					HISTORY OF GF ORGAN	ROUNDWATER C	HEMISTRY				
Part	CONSTITUENT	DATE	LABORATORY	MW-01	MW-02	MW-03	MW-04	PZ-101			comment
13-56-01 Analytica Analy	date of well construction :			3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	TOD	700	
14-14-502	1,1-dichloroethene	13-Sep-01	Analytics	<0.39	<0.39	<0.39	<0.39		0.39	1	
14-by-02	MCL = 7 ppb	28-Feb-02	Analytics		<0.39	<0.39	<0.39	<0.39	0.39	20	
19-bid-20 Any Mater, See C-1.0		14-Apr-02	Analytics		<0.39	<0.39	<0.39	<0.39	0.39	20	
1.5 1.0		18-Jul-02	Analytics		<0.39	<0.39	<0.39	<0.39	0.39	10	
1.00 1.00		26-Mar-03	Air. Water, Soil		<1.0	<1.0	<0.2	<0.2	0.2	1.0	
11-Oct-0 A.P. Weiler, Soil 4.3 3.5 5.5 6.0 0.0 1.0		25-Jun-03	Air, Water, Soil		1.3	<1.0	<1.0	<0.2	0.2	1.0	
19-langer 19-l		11-0ct-03	Air, Water, Soil		<1.0	1.3	<0.2	<0.2	0.2	0,1	
25-Apr-O4 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 25-Apr-O4 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 30-Jul-O4 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 21-July-O5 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 21-July-O5 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 17-Jul-O5 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 15-Jul-O5 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 15-Jul-O5 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 15-Jul-O5 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 15-Jul-O5 Ar. Water. Sol -60.2 -60.2 -60.2 -60.2 -10 25-Jul-O5 Ar. Water. Sol -60.2 -60.2 -60.2<	injection event	18-Jan-04	Air, Water, Soil		4.3	3.5	5.5	<0.2	0.2	1.0	
30-July of Air, Water, Soil 402<	March, 2004	25-Apr-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
30-Jul-Out Air, Water, Sol -0.2		25-May-04	Air, Water, Soil						0.2	1.0	PCE only
31-Oct-On Air, Water, Soil -60.2 </td <td></td> <td>30-Jul-04</td> <td>Air, Water, Soil</td> <td></td> <td><0.2</td> <td><0.2</td> <td><0.2</td> <td><0.2</td> <td>0.2</td> <td>1.0</td> <td></td>		30-Jul-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
28-Jan-05 Air, Water, Sod -602 -602 -602 -602 -602 -10 21-Map-05 Air, Water, Sod -602 -602 -602 -602 1.0 7-Aug-05 Air, Water, Sod -602 -602 -602 -602 1.0 3-De-05 Air, Water, Sod -602 -602 -602 -602 1.0 31-Jan-06 Air, Water, Sod -602 -602 -602 -602 1.0 31-Jan-06 Air, Water, Sod -602 -602 -602 -602 1.0 21-Jan-07 Air, Water, Sod -602 -602 -602 -602 1.0 21-Jan-06 Air, Water, Sod -602 -602 -602 -602 1.0 21-Jan-07 Air, Water, Sod -602 -602 -602 -602 1.0 21-Jan-08 Air, Water, Sod -602 -602 -602 -602 1.0 21-Jan-07 Air, Water, Sod -602 -602 -602 <t< td=""><td></td><td>31-0ct-04</td><td>Air, Water, Soil</td><td></td><td><0.2</td><td><0.2</td><td><0.2</td><td><0.2</td><td>0.2</td><td>1.0</td><td></td></t<>		31-0ct-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
21-May-05 Air, Water, Soil c0.2		28~Jan-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
7-Aug-05 Auf, Water, Soil <0.2 <0.2 <0.2 <0.2 <0.2 1.0 3-Dec-05 Ar, Water, Soil <0.2		21-May-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
3-Dec-05 Air Water, Soil c0.2 c0.2 </td <td></td> <td>7-Aug-05</td> <td>Air, Water, Soil</td> <td></td> <td><0.2</td> <td><0.2</td> <td><0.2</td> <td><0.2</td> <td>0.2</td> <td>1.0</td> <td></td>		7-Aug-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
19-Jan-06 Air Water, Soil 40.2 40.2 40.2 40.2 40.2 10 31-Mar-06 Air, Water, Soil 40.2 40.2 40.2 40.2 10 10 4-Sep-06 Air, Water, Soil 40.2 40.2 40.2 40.2 10 10 27-Jan-07 Air, Water, Soil 40.2 40.2 40.2 40.2 10 10 28-May-07 Air, Water, Soil 40.2 40.2 40.2 40.2 10 10 20-Sep-07 Air, Water, Soil 40.2 40.2 40.2 40.2 10 10 27-Be-07 Air, Water, Soil 40.2 40.2 40.2 40.2 10 10 24-Apr-08 Air, Water, Soil 40.2 40.2 40.2 40.2 10 10 25-Apr-09 Air, Water, Soil 40.2 40.2 40.2 40.2 10 10 25-Apr-08 Air, Water, Soil 40.2 40.2 40.2 40.2 40.		3-Dec-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
31-Mar-Obs Ari Water, Soil <0.2 <0.2 <0.2 1.0 31-Mar-Obs Ari Water, Soil <0.2		19-Jan-06	Air, Water, Soil						0.2	1.0	PCE only
31-Mar-dis Air, Water, Soil -602 -60		31-Mar-06	Air, Water, Soil					<0.2	0.2	1.0	
4-Sup-Dis Air, Water, Soil <0.2 <0.2 <0.2 0.2 27-Jan-O7 Air, Water, Soil <0.2	injection event	31-Mar-06	Air, Water, Soil	501	<0.2	<0.2	<0.2	<0.2	0.2	1.0	
27-Jan-07 Air Water, Soil <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2<	August, 2006	4-Sep-06	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
28-May-07 Air Water, Soil <1.0 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2<		27-Jan-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
20-Sap-07 Air, Water, Soil <0.2 <0.2 <0.2 <0.2 0.2 0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 </td <td></td> <td>28-May-07</td> <td>Air, Water, Soil</td> <td></td> <td><1.0</td> <td><0.2</td> <td><0.2</td> <td><0.2</td> <td>0.2</td> <td>1.0</td> <td></td>		28-May-07	Air, Water, Soil		<1.0	<0.2	<0.2	<0.2	0.2	1.0	
27-Dec-07 Air Water, Soil <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2<	oli ili como	20-Sep-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
24-Agr-08 Air Water, Soil <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2<		27-Dec-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
31-Jul-08 Air Water, Soil co. 2 c. 0.2 c. 0.		24-Apr-08	Air. Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
29-Apr-09		31-Jul-08	Air, Water, Sod		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
29-Apr-199 Air, Water, Soil <0.2 <0.2 <0.2 <0.2 0.2 1.1 1.5 1.1 <td></td> <td>31-Oct-08</td> <td>Air, Water, Soil</td> <td></td> <td><1.0</td> <td><1.0</td> <td><1.0</td> <td><1.0</td> <td>1.0</td> <td>1.0</td> <td></td>		31-Oct-08	Air, Water, Soil		<1.0	<1.0	<1.0	<1.0	1.0	1.0	
2.8		29-Apr-09	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
1.5											
1.5	average a				2.8	2.4					
	standard deviation =				1.5	2					

			CLIENT:	HAND CRAFT C	CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC	AUNDERERS, IN				
			Č	FACILITY: 1140	FACILITY: 11401 MIDLOTHIAN TURNPIKE	JRNPIKE				
			A A	ECT: GROUNDW	AIEN MONI ON	WAS TOUR				
				HISTORY OF GR	HISTORY OF GROUNDWATER CHEMISTRY OF GROUNDWATER CHEMISTRY	EMISTRY				
CONSTITUENT	DATE	LABORATORY	MW-01	MW-02	MW-03	MW-04	PZ-101			comment
date of well construction =			3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	601	700	
cis-12-dichloroethene	13-Sep-01	Analytics	٦	⊽	2	⊽			-	
MCI - 70 mb	28-Feb-02	Analytics		<0.26	<0.26	<0.26	<0.26	0.26	20	
add or - 10m	14-Anr-02	Analytics		<0.26	<0.26	<0.26	<0.26	0.26	20	
	18-lin-02	Analytics		<0.26	<0.26	<0.26	<0.26	0.26	10	
	26-Mar-03	Air Water Soil		230	150	20	<0.2	0.2	0.5	
	25. him-03	Air Water Soil		900	160	62	<0.2	0.2	0.5	
	11-04-03	Air Water Soil		230	340	75	<0.2	0.2	0.5	
injection event	18-Jan-04	Air. Water, Soil		510	680	1100	40.2	0.2	0.5	
March, 2004	26 Apr.04	Air Water Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	10 min 20	Air Mater Soil						0.2	1.0	PCE only
	25-May-04	Air Motor Soil		902	<0.2	<0.2	<0.2	0.2	0.5	
	to horse	Air Water Soil		<0.2	<0.2	<0.2	<0.2	0.2	0,5	
	5-10-10	AL WASHINGTON		7	502	<0.2	<0.2	0.2	1.0	
2000	ZB-Jan-US	Air, Water, Soil		200	<0.2	<0.2	<0.2	0.2	1.0	
	CD-Way-12	Air Matter Soil		202	<0.2	<0.2	<0.2	0.2	0.5	
	co-do-/	Air Water Coll		502	<0.2	<0.2	<0.2	0.2	0.5	
	3-Dec-05	Air Water Soil						0.2	1.0	PCE only
	SO SOLO	Air Water Soil					<0.2	0.2	0.5	
injection event	31-Mar-06	Air, Water, Soil		<0.2	<0.2	11	<0.2	0.2	0.5	
August, 2006	4-Sep-06	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	27-Jan-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	28-May-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	20-Sep-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	27-Dec-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	24-Apr-08	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
-	31-14-08	Air. Water. Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	31-04-08	Air Water Soil		<0.5	<0.5	<0.5	<0.5	0.5	0.5	
	29-Anr-09	Air Water Soil		40.4	<0.4	<0.4	4.0>	9.4	1.0	
average =				317.5	332.5	253.6				
standard deviation =				114.8	214.4	423.9				
coefficient of determination =	= uo			6.4	9.6	17				

			CLIENT	: HAND CRAFT (FACILITY: 114)	HAND CRAFT CLEANERS AND LAUNDERS FACILITY: 11401 MIDLOTHIAN TURNPIKE ECT: GROINDWATER MONITORING DOOM	CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC FACILITY: 11401 MIDLOTHIAN TURNPIKE PROJECT: GROINDWATER MANTTORNS DEACED AN	NC .			
				HISTORY OF GF	HISTORY OF GROUNDWATER CHEMISTRY	>aL				
				ORGAN	ORGANIC CONSTITUENTS	ПS				
CONSTITUENT	DATE	LABORATORY	MW-01	MW-02	MW-03	MW-04	PZ-101			comment
date of well construction =			3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	007	87	
trans-1,2-dichloroethene	13-Sep-01	Analytics	5	⊽	٧	⊽			-	
MCL = 100 ppb	28-Feb-02	Analytics		<0.27	<0.27	<0.27	<0.27	0.27	25	
	14-Apr-02	Analytics		<0.27	<0.27	<0.27	<0.27	0.27	20	
	18-Jul-02	Analytics		<0.27	<0.27	<0.27	<0.27	0.27	10	
	26-Mar-03	Air, Water, Soil		14	2.7	<0.2	<0.2	0.2	0.5	
	25-Jun-03	Air, Water, Soil		6.0	2.7	9.0	<0.2	0.2	0.5	
	11-Oct-03	Air, Water, Soil		4.6	5.2	1.8	<0.2	0.2	0.5	
injection event	18-Jan-04	Air, Water, Soil		6.7	=	7.4	<0.2	0.2	0.5	
March, 2004	25-Apr-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	25-May-04	Air, Water, Soil						0.2	1.0	PCE aniv
	30-Jul-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	31-Oct-04	Air. Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	28~Jan-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	21-May-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	7-Aug-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	3-Dec-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	19-Jan-06	Air, Water, Soil						0.2	1.0	PCE only
trough actional	31-Mar-06	Air, Water, Soil					<0.2	0.2	0.5	
August 2006	31-Mar-06	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	4-Sep-06	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	27-Jan-07	Air. Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	28-May-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	20-Sep-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	27-Dec-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	24-Apr-08	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	31-Jul-08	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.5	
	31-Oct-08	Air, Water, Soil		<0.5	<0.5	<0.5	<0.5	0.5	0.5	
	29-Apr-09	Air, Water, Soil		40.4	<0.4	<0.4	4.0>	0.4	1.0	
average =				7.8	5.4	3.3				
standard deviation =				3.6	3.4	3.0				
coefficient of determination =	14			0.5	9.0	0.9				

			CLIENT:	HAND CRAFT C FACILITY: 1140 ECT: GROUNDW	CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC FACILITY: 11401 MIDLOTHIAN TURNPIKE PROJECT: GROUNDWATER MONTORING PROGRAM	AUNDERERS, IN URNPIKE ING PROGRAM	U			
			<u>-</u> ;	LISTORY OF GR	HISTORY OF GROUNDWATER CHEMISTRY ORGANIC CONSTITUENTS	JEMISTRY S				,
INSIEMS	DATE	LABORATORY	MW-01	MW-02	MW-03	MW-04	PZ-101			comment
date of well construction =			3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	COD	700	
methylene chloride	13-Sep-01	Analytics	<0.2	<0.2	<0.2	<0.2		0.2	-	
MCL = 5 ppb	28-Feb-02	Analytics		<0.2	<0.2	<0.2	<0.2	0.2	25	
	14-Apr-02	Analytics		<0.2	<0.2	<0.2	<0.2	0.2		
	18-Jul-02	Analytics		<0.2	<0.2	<0.2	<0.2	0.2	10	
	26-Mar-03	Air, Water, Soil		<0.3	<0.3	<0.3	<0.3	0.3	1.0	
	25-Jun-03	Air, Water, Soil		<0.3	<0.3	<0.3	<0.3	0.3	1.0	
	11-Oct-03	Air, Water, Soil		<0.3	<0.3	<0.3	<0.3	0.3	1.0	
injection event	18-Jan-04	Air, Water, Soil		<0.3	<0.3	<0.3	<0.3	0.3	1.0	
March, 2004	25-Apr-04	Air, Water, Soil		<0.3	<0.3	<0.3	<0.3	0.3	1.0	t=0.7.J
	25-May-04	Air Water Soil						0.2	1.0	PCE only
	30-704-04	Air. Water, Soil		1.7 B	<0.3	2.18	<0.3	0.3	1.0	t=2.5, i=1.7
	31-0ct-04	Air, Water, Soil		<0.3	<0.3	<0.3	<0.3	0.3	1.0	
	28-Jan-05	Air, Water, Soil		<0.3	<0.3	<0.3	<0.3	0.3	1.0	t=0.3 J
	21-May-05	Air, Water, Soil		<0.3	<0.3	<0.3	<0.3	0.3	1.0	
	7-Aug-05	Air, Water, Soil		1.8 B	0.8 B	1.2B	1.6 B	0.3	1.0	i=0.4 J
	3-Dec-05	Air, Water, Soil		<0.3	<0.3	<0.3	<0.3	0.3	1.0	
	19-Jan-06	Air, Water, Soil						0.2	1.0	PCE only
	31-Mar-06	Air, Water, Soil					<1.0	1.0	4.0	
injection event	31-Mar-06	Air, Water, Soil		<1.0	41.0	<1.0	41.0	1.0	4.0	
August, 2006	4-Sep-06	Air, Water, Soil		<1.0	<1.0	<1.0	<1.0	1.0	4.0	
	27-Jan-07	Air, Water, Soil		<1.0	<1.0	<1.0	<1.0	1.0	4.0	
	28-May-07	Air, Water, Soil		<1.0	<1.0	<1.0	<1.0	1.0	4.0	
	20-Sep-07	Air, Water, Soil		<1.0	<1.0	<1.0	<1.0	1.0	4.0	
	27-Dec-07	Air, Water, Soil		<1.0	<1.0	<1.0	<1.0	1.0	4.0	
	24-Apr-08	Air, Water, Soil		<1.0	<1.0	<1.0	<1.0	1.0	4.0	
	31-Jul-08	Air, Water, Soil		<1.0	<1.0	<1.0	41.0	1.0	4.0	
	31-Oct-08	Air, Water, Soil		<4.0	<4.0	<4.0	<4.0	4.0	4.0	
	29-Apr-09	Air. Water. Soil		<4.0	<4.0	<4.0	<4.0	1.0	4.0	
avorage =										
standard deviation =										
coefficient of determination =	= uo						×			

			CLIEN	I: HAND CRAFT	CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC	LAUNDERERS,	NC			
			OBB	FACILITY: 114	FACILITY: 11401 MIDLOTHIAN TURNPIKE PROJECT: GROINDWATER MONITORING BROCERA	TURNPIKE				
				- and	TALES MONITO	MANOGRAPING PROGRAM	_			
Market sylva				HISTORY OF G	HISTORY OF GROUNDWATER CHEMISTRY	HEMISTRY				
				ORGAN	ORGANIC CONSTITUENTS	ПS				
CONSTITUENT	DATE	LABORATORY	MW-01	MW-02	MW-03	MW-04	PZ-101			comment
date of well construction =			3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	TOD	700	
1,1,1-trichloroethane	13-Sep-01	Analytics	<0.23	<0.23	<0.23	<0.23		0.23	-	
MCL = 200 ppb	28-Feb-02	Analytics		<0.23	<0.23	<0.23	<0.23	0.23	20	
	14-Apr-02	Analytics		<0.23	<0.23	<0.23	<0.23	0.23	20	
	18-Jul-02	Analytics		<0.23	<0.23	<0.23	<0.23	0.23	10	
	26-Mar-03	Air, Water. Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	25-Jun-03	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	11-Oct-03	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
injection event	18-Jan-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
March, 2004	25-Apr-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	25-May-04	Air, Water, Soil						0.2	1.0	PCE only
	30-Jul-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	31-Oct-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	28~Jan-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	21-May-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	7-Aug-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	3-Dec-05	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
£	19-Jan-06	Air, Water, Soil						0.2	1.0	PCE only
	31-Mar-06	Air, Water, Soil					<0.2	0.2	1.0	
injection event	31-Mar-06	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
August, 2000	4-Sep-06	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	27-Jan-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	28-May-07	Air, Water, Soil		<1.0	<0.2	<0.2	<0.2	0.2	1.0	
	20-Sep-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	27-Dec-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	24-Apr-08	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	31~Jul-08	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	31-Oct-08	Air, Water, Soil		<1.0	<1.0	<1.0	<1.0	1.0	1.0	
•	29-Apr-09	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
average =							13			
standard deviation =				27						
coefficient of determination =	н									

CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC FACILITY: 11401 MIDLOTHIAN TURNPIKE PROJECT: GROUNDWATER MONITORING PROGRAM

HISTORY OF GROUNDWATER CHEMISTRY ORGANIC CONSTITUENTS

	Fred	VACTABORA	MW-01	MW-02	MW-03	MW-04	PZ-101			
CONSTITUENT	1		20.00	3-Ann-Oi	3-Apr-01	3-Apr-01	3-Apr-01	100	100	
date of well construction =			2486			900		0.95	-	
1,1,2-trichloroethane	13-Sep-01	Analytics	<0.95	<0.95	<0.95	CG:02			S	
der 3	28-Feb-02	Analytics		<0.95	<0.95	<0.95	<0.95	0.90	3	
2000	14. Ans. 02	Analytics		<0.95	<0.95	<0.95	<0.95	0.95	20	
	1	and the second		<0.95	<0.95	<0.95	<0.95	0.95	10	
	18-704-02	Analyses		66	<0.2	<0.2	<0.2	0.2	1.0	
	26-Mar-03	Ar, Water, Sou		ç	64	<0.2	<0.2	0.2	1.0	
	25-Jun-03	Air, Water, Soil		7.02	4100		6	0.2	1.0	
	11-Oct-03	Air, Water, Sod		<0.2	<0.2	×0.2	2.05		0.1	
jection event	18-Jan-04	Air, Water, Soil		<0.2	<0.2	<0.2				
March, 2004	25-Anr-04	Air. Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	No.	Water Soil						0.2	1.0	PCE only
	and many	Food and and		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	30-70-04	The state of the		\$0.2	<0.2	<0.2	<0.2	0.2	1.0	
	31-0ct-04	Arr, water, Sou		200	<0.2	<0.2	<0.2	0.2	1.0	
	28-Jan-05	Air, Water, Soil		93	<0.2	<0.2	<0.2	0.2	1.0	
	21-May-05	Ar. Water, Soil		i ç	6	<0.2	<0.2	0.2	1.0	
	7-Aug-05	Air. Water. Soil		30, 3	6	202	<0.2	0.2	1.0	
	3-Dec-05	Air, Water, Soil		2005				0.2	1.0	PCE only
	19-Jan-06	Air, Water, Soil					6	0.2	1.0	
	31-Mar-06	Air, Water, Soil					400	6	o.	
injection event	31-Mar-06	Air, Water, Soil		<0.2	<0.2	502			,	
August, 2006	4-Sep-06	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	2.	-
	77. lan-07	Air Water Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	1
	10.00.13	Eco Motor Sol		<0.2	<0.2	<0.2	<0.2	0.2	1.0	1
	ZB-May-07	Air Water Soil		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	70-dac-02	, man 1, mar 1,		6	<0.2	<0.2	<0.2	0.2	1.0	
	27-Dec-07	Air, Water, Soil		çç	-02	<0.2	<0.2	0.2	1.0	-
	24-Apr-08	Air, Water, Soil		200	ç	600	<0.2	0.2	1.0	
	31-14-08	Air, Water, Soil		40.2	20.5	,	7	1.0	1.0	
	31-Oct-08	Air, Water, Soil		41.0	0.15	0.17	;	c	0.	
	4/49/9	Air, Water, Soil		<0.2	<0.2	<0.2	40.2	900		
					1					-
average =										
standard deviation =										
and determination	- 404									

CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC FACILITY: 11401 MIDLOTHIAN TURNPIKE PROJECT: GROUNDWATER MONITORING PROGRAM

HISTORY OF GROUNDWATER CHEMISTRY ORGANIC CONSTITUENTS

CONSTITUENT	DATE	VACCTAGODA I								
1 1		Committee	MW-01	MW-02	MW-03	MW-04	PZ-101			
date of well construction =			3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	8	-	Commen
trichloroethene	13-Sep-01	Analytics	<0.29	<0.29	<0.29	<0.29		000	3	
MCL = 5 ppb	28-Feb-02	Analytics		<0.29	<0.29	000	00.0	0.23	-	
	14-Apr-02	Analytics		<0.29	8	63.0	50.03	0.29	20	
	18~Jul-02	Analytics		92.00	63.0	<0.23	<0.29	0.29	20	
	26-Mar-03	Air Water Cod		20.63	<0.29	<0.29	<0.29	0.29	10	
	3	or, water, 50		8	140	21	<0.2	0.2	1.0	
·	Sp-uni-03	Air, Water, Soil		88	110	80	<0.2	0.2	10	
injection event	11-Oct-03	Air, Water, Soil		27	130	44	<0.2	00	9	
March. 2004	18-Jan-04	<u> </u>		22	099	150	<0.2	0.2	2 -	
•	25-Apr-04	Air, Water, Soil		<0.2	<0.2	<0.2	40.2	0.5	,	
	25-May-04	Air, Water, Soil						00	2	
	30-Jul-04	Air, Water, Soil		<0.2	<0.2	<0.2	40.2	5	0	PCE only
	31-Oct-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	200	0.	
	28-Jan-05	Air, Water, Soil		<0.2	<0.2	202	5	3	0.1	
	21-May-05	Air, Water, Soil		<0.2	<0.2	602	4.00	0.2	1.0	
	7-Aug-05	Air, Water, Soil		<0.2	<0.2	202	900	0.5	0.1	
	3-Dec-05	Air, Water, Soil		<0.2	<0.2	60,	ç	0.5	0.7	
	19-Jan-06	Air, Water, Soil					200	0.2	1.0	
1	31-Mar-06	Air, Water, Soil						0.2	1.0	PCE only
injection event	31-Mar-06	Air, Water, Soil					<0.2	0.2	1.0	
August, 2006	4.San.Os			202	<0.2	30	<0.2	0.2	1.0	
1	27-lan-07	Air Water, Son		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	20 27 00	All, weder, Soll		<0.2	<0.2	<0.2	<0.2	0.2	1.0	
	LO-May-O	Alr, Water, Soil		<1.0	<0.2	<0.2	<0.2	0.2	1.0	
1_	20-Sep-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	10	
1	27-Dec-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0,	
	24-Apr-08	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	01	
1	31-Jul-08	Air. Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	01	
	31-Oct-08	Air, Water, Soil		<1.0	<1.0	<1.0	<1.0	1.0	0.1	
	29-Apr-09	Air, Water, Soil		<1.0	<0.2	<0.2	<0.2	0.2	1.0	
Werade ==		-								

50.5 51.1

260.0 231.2 0.9

52.8 15.8 0.3

			CLIENT:	CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC	LEANERS AND LA	JUNDERERS, INC				
			PRO	FACILITY: 11401 MIDLU INDA TOTAL PROJECT: GROUNDWATER MONTORING PROGRAM	FACILITY: 11401 MIDLU INAN I UNIVERSECT: GROUNDWATER MONTORING PROC	NG PROGRAM				
				HISTORY OF GR	HISTORY OF GROUNDWATER CHEMISTRY	EMISTRY				
				ORGANI	ORGANIC CONSTITUENTS	Ø				
		VAROTABOBA	MW-01	MW-02	MW-03	MW-04	PZ-101			comment
CONSTITUENT	DAIE		3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	D 1	8	
date of well construction =			5.5	<0.31	<0.31	<0.31		0.31	-	
tetrachloroethene	13-Sep-01	Analytics		-0.31	<0.31	<0.31	<0.31	0.31	20	
MCL = 5 ppb	28-Feb-02	Analytics		931	<0.31	<0.31	<0.31	0.31	20	
	14-Apr-02	Analytics		<0.31	<0.31	<0.31	<0.31	0.31	10	
	18-Jul-02	Arayacs		88	550	70	<0.2	0.2	1.0	
	26-Mar-U3	All, Weller, SON		57	099	36	40.2	0.2	1.0	
	25-Jun-03	Ar, Water, Sou		83	140	200	<0.2	0.2	1.0	
	11-Oct-03	Air, Water, Son		110	3500	330	<0.2	0.2	1.0	
injection event	18-Jan-04	Ar, water, 50s		85	<0.2	<0.2	<0.2	0.2	1.0	
March, 2004	25-Apr-04	Arr, Water, Sou		6				0.2	1.0	verification
	25-May-04	Air, Water, Soil		200	60%	<0.2	<0.2	0.2	1.0	
	30-Jul-04	Air, Water, Sod		2.0	202	<0.2	<0.2	0.2	1.0	
	31-04-04	Air, Water, Sod		200	6	60.2	<0.2	0.2	1.0	
	28~Jan-05	Air, Water, Soil		2 5	9,	<0.2	<0.2	0.2	1.0	
	21-May-05	Air, Water, Soil		20.5		6	<0.2	0.2	1.0	
	7-Aug-05	Air, Water, Soil		<0.2	20.2	200	< 1.0	0.2	1.0	
	3-Dec-05	Air, Water, Soil		<0.2	<0.2	705	200	0.2	1.0	verification
	19-Jan-06	Air, Water, Soil					200	0.2	1.0	
	31-Mar-06	Air, Water, Soil			;	4	8	0.2	1.0	
injection event	31-Mar-06	Atr, Water, Soil		5.1	6.0		70	0.2	1.0	
August, 2006	4-Sep-06	Air, Water, Soil		<0.2	20.2	20.5	40.2	0.2	1.0	
	27-Jan-07	Air, Water, Soll		9.5	9 %	<0.2	<0.2	0.2	1.0	
	28-May-07	Air, Water, Soil		200	<0.2	<0.2	<0.2	0.2	1.0	
	20-Sep-07	Air, Water, Soil		9 %	<0.2	<0.2	<0.2	0.2	1.0	
	27-Dec-07	Arr, Water, Soil		5	<0.2	<0.2	<0.2	0.2	1.0	
	24-Apr-08	Air, Water, Sou		è,	<0.2	<0.2	<0.2	0.2	1.0	
	31-Jul-08	Air, Water, Soll		7	0.0	<1.0	<1.0	1.0	1.0	
	31-Oct-08	+		3	c	20.2	<0.2	0.2	1.0	
	29-Apr-09	Air, Water, Soil		2.10						
				47.1	970.1	132.2				
average =				37.0	1288.6	116.9				
standard deviation =				8.0	1.3	6.0				
coefficient of determination =	ation =									

CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC FACILITY: 11401 MIDLOTHIAN TURNPIKE PROJECT: GROUNDWATER MONITORING PROGRAM

HISTORY OF GROUNDWATER CHEMISTRY

Comparison Com					P TO LEE	ILS LORY OF GROUNDWATER CHEMISTRY	HEMISTRY				
1.00 1.00					ORGA	NIC CONSTITUEN	ZE .				
1.46 1.46	CONSTITUENT		LABORATORY	MW-01	MW-02	MW-03	MW-04	PZ-101			
Useaport Anables QSS QSS <t< th=""><th>date of well construction</th><th>= 0</th><th></th><th>3-Apr-01</th><th>3-Apr-01</th><th>3-Apr-01</th><th>3-Aor-01</th><th>3.Anr.04</th><th></th><th>,</th><th>comment</th></t<>	date of well construction	= 0		3-Apr-01	3-Apr-01	3-Apr-01	3-Aor-01	3.Anr.04		,	comment
1.1.Agricologo Anablecia 6.651 6.652 <th>vinyl chloride</th> <th>13-Sep-01</th> <th>Analytics</th> <th><0.51</th> <th><0.51</th> <th><0.51</th> <th>6.25</th> <th></th> <th></th> <th>007</th> <th></th>	vinyl chloride	13-Sep-01	Analytics	<0.51	<0.51	<0.51	6.25			007	
1-1-typer 2	MCL = 2 ppb	28-Feb-02	Analytics		<0.51	<0.51	<0.51	2.0	0.51	- :	
15-bit 1		14-Apr-02	Analytics		<0.51	<0.51	c0.51	2 6	100	2	
25-May Ali Wales Sal		18-Jul-02	Analytics		<0.51	<0.51	<0.51	0.51	0.0	8	
10-04-103 Ai, Water, Sale 4.3 16 1.6 -0.2 1.0		26-Mar-03	Air, Water, Soil		16	7.0	3.6	90	0.0	01	
11-Cel Col Col Col Col Col Col Col Col Col Co		25-Jun-03	Air. Water, Soil		24	6.1	9	6	2.0	0.1	
19-langer Art Water, Soat 642		11-Oct-03	Air, Water, Soil		4.3	16	1.6	<0.2	0.2	0.7	
25-Approble Ar. Water, Scale 602 602 602 602 10 25-Approble Ar. Water, Scale 602 602 602 602 10 31-Oct-10 Ar. Water, Scale 602 602 602 602 10 21-Abg-10s Ar. Water, Scale 602 602 602 602 10 21-Abg-10s Ar. Water, Scale 602 602 602 602 10 21-Abg-10s Ar. Water, Scale 602 602 602 602 10 21-Abg-10s Ar. Water, Scale 602 602 602 602 10 3-De-50s Ar. Water, Scale 602 602 602 602 10 3-De-50s Ar. Water, Scale 602 602 602 602 10 3-De-50s Ar. Water, Scale 602 602 602 602 10 3-De-50s Ar. Water, Scale 602 602 602 602 10	March 2004	18-Jan-04	Air, Water, Soil		5.3	36	69	⊽	0.2	0.1	
25-May-04 Aft. Water, Soil 40.2		25-Apr-04	Air, Water, Soil		<0.2	<0.2	<0.2	\$0.2	60		
310-0ct of Att. Water, Soil 4.02		25-May-04	Air, Water, Soil						0.0	2 5	Local
31-Oct-ol		30-Jul-04	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.0		ACE ONLY
29-lan-65 Air, Water, Soal <0.2 <0.2 <0.2 <0.2 <0.2 1.0 21-May-65 Air, Water, Soal <0.2		31-Oct-04	Air, Water, Soil		<0.2	<0.2	<0.2	80		0.	
21-May-05 Air, Water, Soal -Q2		28-Jan-05	Air, Water, Soil		<0.2	<0.2	<0.2	40.2	0.0	0.7	
3-Dec-05 Air Water, Soil <0.2 <0.2 <0.2 <0.2 1.0 3-Dec-05 Air, Water, Soil <0.2		21-May-05	Air, Water, Soil		<0.2	<0.2	<0.2	200	3.0	0.	
3-Dec-05 Ai, Water, Soil -0.2 <0.2 <0.2 1.0 19-Jan-06 Air, Water, Soil Air, Water, Soil <0.2		7-Aug-05	Air, Water, Soil		<0.2	<0.2	<0.2	200	200	0.1	
33-Mar-06 Ar, Water, Soil Co. 2. Co. 2.		3-Dec-05	Air, Water, Soil		<0.2	<0.2	<0.2	2.8	60	2 4	
31-Mator, Soil 40,2		19-Jan-06	Air, Water, Soil						200	2 5	
31-Man-06 Ar. Water, Soil <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02 <02		31-Mar-06	Air, Water, Soil					6	70 6	0.	PCE only
4-Sep-06 Air, Water, Soil 40.2<	injection event	31-Mar-06	Atr. Water, Soil		<0.2	<0.2	0.7	e e	200	0.	
27-Jan-07 Air, Water, Soil <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2	August, 2006	4-Sep-06	Air, Water, Soil		<0.2	<0.2	602	, 6	300	0.	
29-May-07 Air, Water, Soil <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2		27-Jan-07	Air, Water, Soil		<0.2	<0.2	<0.2	6	0.0	0.	
20-Sep-07 Air, Water, Soil <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2		28-May-07	Air, Water, Soil		<0.2	<0.2	<0.2	ç	200	0.	
27-Dec 07 Air Water, Soil <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2<		20-Sep-07	Air, Water, Soil		<0.2	<0.2	<0.2	8	0.0	0.7	
24-Apr-08 Ari, Water, Soil <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2 <0.2		27-Dec-07	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	0.1	
31-Oct-08 Air, Water, Soil		24-Apr-08	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.3	2 5	
31-Oct-08 Air Water, Soi		31-Jul-08	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.5	2 -	
29-Apr-09 Air Water, Soil <0.2 <0.2 <0.2 0.2 0.2		31-Oct-08	Air, Water, Soil		<1.0	<1.0	<1.0	4.0	10	2 .	
12.4 16.3 17.0 8.1 12.0 26.2 0.65 0.74 1.54		29-Apr-09	Air, Water, Soil		<0.2	<0.2	<0.2	<0.2	0.2	2 0	
12.4 16.3 8.1 12.0 0.65 0.74											
8.1 12.0 0.65 0.74	verage =				12.4	16.3	17.0				
0.65 0.74	tendard deviation =				1.8	12.0	26.2				
	Demicient of determination	==			0.65	0.74	1.54		-		

, g			CLIENT: PROJE	HAND CRAFT C FACILITY: 1140 ECT: GROUNDW USTORY OF GR	CLIENT: HAND CRAFT CLEANERS AND LAUNDERERS, INC FACILITY: 11401 MIDLOTHIAN TURNPIKE PROJECT: GROUNDWATER MONITORING PROGRAM HISTORY OF GROUNDWATER CHEMISTRY ORGANIC CONSTITUENTS	AUNDERERS, IN JRNPIKE ING PROGRAM IEMISTRY S				
	TA C	ABORATORY	MW-01	MW-02	MW-03	MW-04	PZ-101			comment
CONSTITUENT			3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	3-Apr-01	007	700	
TOTAL									o atylana - L	J - enalyte concentration estimated
All results in µg/I unisss noted.									◆ -MCF/	◆ - MCL / GWPS not established
Bolded / blue values indicate a concentration that exceeded the FBAC.	oncentration that exc	seeded the FBAC.								1 - found in trip blank
Upgradient well not shaded.										a - found in air blank
B - analyte concentration associated with blank contemination	lated with blank comb	minetion							ks - initial o	ic - initial calibration bayond limite
R - analyte concentration unreliable	opposite and the second								to - Internet	is - internal standard boyond limits
- additional Appendix 5.1 constituent	Utuent								e - found	e - found in the equipment blank
- found in instrument blank									E- 9E	me - matrix apike beyond limite
1 - found in field blank									3-8	to - LCS comple beyond limits
cc - continuing calibration beyond limits	and limits									shaded colls - no data
se - surrogate aplikes beyond limits	atte								8 - data value la consi	0 - data value la considered a statistical oudier
er - sample result less than 5X IDL	Dr.									
d - duplicate analysis beyond limits	mits									
cf - correlation coefficient beyond limits	and limits									
									MCL - ment	MCL - maximum contembution limit
OL - Imporatory reporting limit									æ	FBAC - facility background
GWPS - groundwater protection standards	n standards								ACL - alte	ACL - externate contemination limit
SPL - statistical prediction limits	2									

store event 25.22153.xts